EIZO

FlexScan® HD2442W

61 cm (24.1") Color LCD Monitor

Full 1080 HD

Gamer...

File Edit View Capture Playback Help
Edit
Produce
Create Disc
All Media
Split
Edit Image
Slideshow
Color
Duration
Zoom In
Threshold
SUCCESS
Video Editing Suite
EIZO

...Creator...

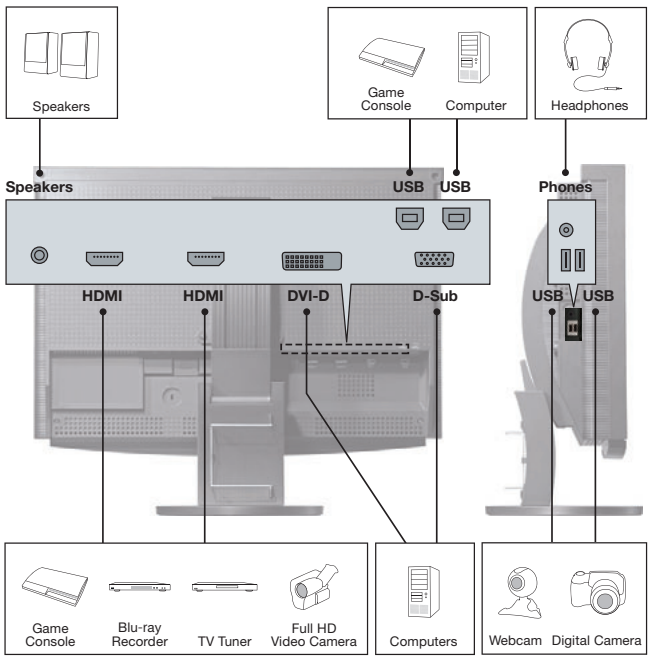
...Entertainer

The full HD monitor that plays to your imagination.

Imagine ... enjoying games at ultra-high clarity and contrast with hardly any input lag ... creating your own videos in full high definition ... watching movies that have accurate color tones and super-smooth motion. With the FlexScan HD2442W, all of your HD video sources will look better than ever before. Not only do you get 1920 × 1080 resolution, the HD2442W also provides dual PC and dual HDMI inputs. So you can connect your Blu-ray game consoles and recorders, digital video cameras, and other full HD devices to finally enjoy the perfectly clear images you've seen only in your imagination.

Multiple Ports for PC and AV Connectivity

The HD2442W comes with dual PC and dual High-Definition Multimedia Interface (HDMI) ports to connect not only to PCs, but also the latest HD game consoles and audio-visual (AV) devices such as Blu-ray. Two USB ports on the side of the monitor offer easy connection to peripherals like digital cameras, and MP3 players. Sound from all connected devices can be routed through an external set of speakers or AV devices connected through the HDMI inputs.



LCD TV Image Quality with Next-Generation ASIC

The HD2442W incorporates an ASIC (application specific integrated circuit) originally developed by EIZO for use in LCD TVs. The ASIC produces images that look more natural by boosting contrast and reducing motion picture blur.

3000:1 Dynamic Contrast

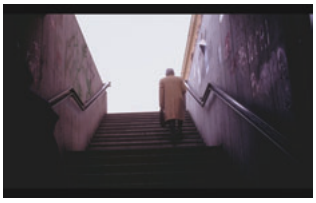
EIZO's ContrastEnhancer adjusts the brightness, gain, and gamma of images to their ideal levels in real time. The resulting dynamic contrast ratio of 3000:1 ensures the monitor consistently produces deep blacks and vivid colors as moving images are displayed.

ContrastEnhancer off

ContrastEnhancer on

Rich Tonal Reproduction

While computer monitors display tones from pure white to pure black in a range of 0 to 255, broadcast media and entertainment equipment display these same tones from 16 to 235. As a result, when computer monitors display video or game content, images often look dull and washed out. The HD2442W, however, displays video signals in the 16 to 235 range so it reproduces these tones exactly as intended.

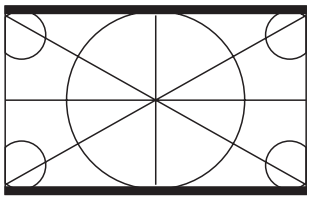


Black washout

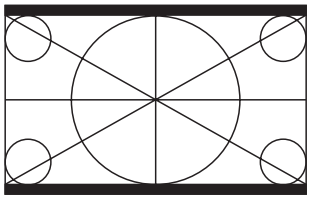
No black washout

Ideal Screen Ratio

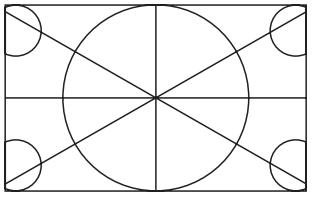
The ideal screen ratio depends on two factors — what you are using the monitor for and what your personal preferences are. To this end, EIZO offers three settings: Standard (overscan), Full Image (underscan), and Full Screen. Standard eliminates extraneous television broadcast data and production equipment that sometimes appears at the edges of the screen. Full Image reveals nearly 100% of the screen image and is suited for film viewing and gaming. Full Screen expands images to fill the entire screen and is ideal for anyone who does not want to see the black bars that appear across the top and bottom in Standard and Full Image modes.



Standard (overscan)



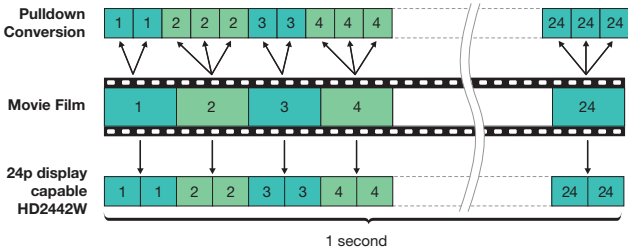
Full Image (underscan)



Full Screen

Flawless Motion Picture Playback

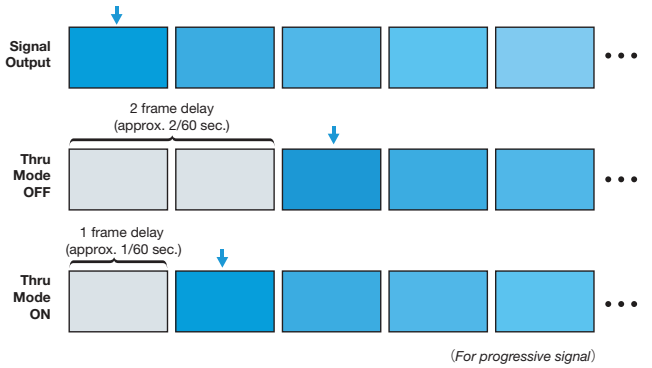
Motion picture film is generally shot and projected at 24 frames per second (fps). Motion pictures shown on TVs or monitors without 24 fps display capability produce motion artifacts known as "judder" during frame or "pulldown" conversion. Judder is especially noticeable in panning or scrolling movements, with transitions between adjacent film frames appearing rough and staggered. The HD2442W's 1080/24p (48 Hz) display capability ensures video playback as smooth as you would see in a cinema.



The HD2442W displays each frame an equal number of times for smooth video playback.

Input Lag of Just One Frame

New to the HD2442W, "Thru" mode reduces input lag, or the difference between the time a signal is input into the monitor and then shown on the screen, by one frame with a progressive signal and two frames with an interlace signal. The resulting delay of approximately one frame, or a mere 1/60th of a second, allows gamers to see the action as it happens and react immediately.



Thru mode reduces input lag from two frames to only one.

Do Two Things at Once with Picture-in-Picture

Displaying content from a PC on the main screen while showing video input on a sub-screen, Picture-in-Picture lets you do two things at once such as check e-mail while watching a Blu-ray disc. The transparency and location of the sub-screen is easily adjusted through the onscreen display menu.

Picture-in-picture mode

PC and Video Viewing Modes

Several viewing modes are available for both computer and AV sources. For PCs, there's Text, Movie, Picture, Game, sRGB, and Custom (user-defined). For AV devices, there's Standard, Dynamic, and Custom modes, as well as Cinema and Game modes, which are available for the first time with the HD2442W. Cinema mode enhances film viewing by bringing out fine detail such as subtle differences in flesh tones and darker tones often visible in scene backgrounds. Game mode increases saturation to make objects in dark scenes more distinct so gamers can easily discern what they are seeing and react accordingly.

Remote Control, Direct Command

Available with a FlexScan monitor for the first time, this new remote offers full control of the OSD menu plus one-touch access to picture-in-picture, screen size, and PC/HDMI input selection. The intuitive design makes it ideal for gaming, film viewing, or any other situation where you may be at a distance from the monitor.

Ergonomic, Adjustable Stand

EIZO's innovative ArcSwing 2 Stand offers a curved range of movement so you can easily position the screen at eye level or at a shallow angle akin to reading a book for a more natural viewing posture.

Optimized Brightness

The BrightRegulator function detects changes in the ambient brightness and signals the backlight to adjust the screen brightness accordingly. This ensures the screen is never too bright or too dark, thereby preventing eye fatigue when working, playing games or watching videos.

Three Cabinet Colors

Available in titanium silver, black, and piano black.

Commitment to Quality

Each monitor is meticulously inspected and fine-tuned on the factory line.

While outsourcing production is now common practice in the monitor industry, EIZO continues to manufacture its products the same way it has throughout its 40 year history – with its own staff at its factories in Japan. This allows EIZO to keep close control over production quality and offer the industry's only 5-year manufacturer's limited warranty.

5 Year Warranty

Customer Assurance

Compliance with leading ergonomic, safety, and energy standards such as TCO'03 and TÜV Ergonomics ensures a better environment for work and play. The EIZO Eco Products 2006 label indicates this product meets strict internal requirements for manufacturing, packaging, and energy savings.

Black

Piano Black

Titanium Silver

FlexScan HD2442W

			PC Input	AV Input
Panel	Panel Size and Type		61 cm (24.1") TFT color LCD panel	
	Viewing Angles (H, V)		178°, 178° (at contrast ratio of 10:1)	
	Brightness / Contrast		450 cd/m² / 1000:1 (Dynamic Contrast / 3000:1 with ContrastEnhancer)	
	On/Off Response Time		16 ms (typical)	
	Midtone Response Time[1]		6 ms	
	Native Resolution		1920 × 1200	
	Active Display Size (H × V)		518.4 × 324 mm	
	Viewable Image Size		Diagonal: 611 mm	
	Pixel Pitch		0.270 × 0.270 mm	
	Display Colors		16.77 million from a palette of 1.06 billion	
Cabinet Colors			Black, Piano Black, Titanium Silver	
Dot Clock			Analog:162.5 MHz, Digital: 162 MHz	
Scanning Frequency (H, V)		Analog	31.5 – 80 kHz, 55 – 76 Hz	–
		Digital	31.5 – 76 kHz, 59 – 61 Hz	–
Input Signals			Analog: RGB Analog, Digital: DVI Standard 1.0	
Input Terminals			D-Sub mini 15 pin, DVI-D 24 pin (HDCP supported[2])	HDMI × 2
USB Ports / Standard			2 upstream, 2 downstream / USB Standard Rev. 2.0	–
Plug & Play			VESA DDC 2B	
Power	Power Requirements		AC 100 – 120 V, 200 – 240 V: 50 / 60 Hz	
	Power Consumption		110 W maximum, 48 W typical	
	Power Save Mode		Less than 2 W	
Physical Specifications	Height Adjustment Range		90 mm	
	Tilt / Swivel / Pivot		60° Up, 5° Down / 172° Right, 172° Left / –	
	Dimensions (W × H × D)		With Stand: 566 × 362.5 – 480 × 230 mm Without Stand: 566 × 396 × 92.3mm	
	Net Weight		With Stand: 10.3 kg Without Stand: 7.9 kg	
Auto Brightness Functions			Auto Brightness Stabilization, BrightRegulator	
Auto Power Save Function			Analog: VESA DPMS, Digital: DVI DMPM	
Display (Color) Mode Options			Text, Picture, Movie, sRGB, Game, Custom, Auto Fine Contrast[3]	Standard, Cinema, Dynamic, Game, Custom
ScreenManager OSD Adjustment Functions	Screen Adjustment (analog only)		Clock, Phase, Position, Resolution, Range (Auto), Signal Filter	–
	Screen Size		Full Screen, Enlarge, 2 × Normal, Normal	4:3, Letterbox, 16:9
	Screen Size with Gaming Sources		Full Screen, Enlarge, 2 × Normal, Normal	Real, Aspect 4:3, Aspect 16:9, 2 × Real, 2 × Aspect 4:3, 2 × Aspect 16:9
	Color Adjustment		Brightness, Contrast, Black Level, Temperature (in 500 K increments from 4,000 K – 10,000 K including 9,300 K), Saturation, Hue, Reset, Enhancer (Contrast, Outline), Gain, Gamma	Brightness, Contrast, Black Level, Temperature (in 500 K increments from 4,000 K – 10,000 K including 9,300 K), Saturation, Hue, Reset, Enhancer (Contrast, Outline), Gamma, Noise Filter, I/P Conversion
	Thru Mode		–	On/Off
	Audio		Volume, Treble, Bass, Balance, Sound Level	
	Other Settings		Picture-in-Picture, Language (English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese), BrightRegulator, Signal Detection, Power Indicator, Beep, Auto Screen Size, Screen Ratio, Color Space, Field Rate, USB, Off Timer, Product Information, Key Lock, Reset	
Audio	Input Terminals		USB Audio × 2	HDMI × 2
	Output Terminals		Stereo mini jack, headphone jack (5 mW + 5mW or less)	
Certifications and Standards			TCO'03 (black), TÜV/Ergonomics (including ISO 13406-2), TÜV/GS, c-Tick, CE, CB, UL (cTÜVus), CSA (cTÜVus), FCC-B, Canadian ICES-003-B, TÜV/S, VCCI-B, EPA ENERGY STAR®, RoHS, WEEE, EIZO Eco Products 2006	
Supplied Accessories			AC power cord, signal cables (DVI-D – DVI-D, DVI-I – D-Sub mini 15 pin), HDMI – HDMI, USB cable, EIZO LCD Utility Disk (PDF user's manual, ScreenManager Pro for LCD[4], ICC Profile), setup guide, 4 screws for mount option, remote control with battery, warranty card	
Warranty			Five Years[5]	

[1] Average response time measured between each grayscale level of 31, 63, 95, 127, 159, 191, and 223. [2] Display with audio/video devices is not supported. [3] Bundled ScreenManager Pro for LCD is necessary to activate Auto Fine Contrast. Support for those functions varies with the graphics board used. [4] ScreenManager Pro for LCD is compatible with the Microsoft Windows Vista/XP/2000 operating systems only. [5] The usage time is limited to 30,000 hours or less, and the warranty period of the LCD panel and backlight is limited to three years from the date of purchase.
With current LCD technology, a panel may contain a limited number of missing or flickering pixels.

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